

MI-30 Special Access

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Description: The 'MI-30 Special Access' will let the Ecool Experimenters access the Main Injector MI-30 straight section via the MI-30 Service Building. The MI-30 straight section is defined by interlocked gates at the ends of the straight section, 305 and 307, and the entrance at the MI-30 Service Building. All Main Injector buss work has been covered in the area being accessed, so the normal AD/OPS MI LOTO is not needed. The keys for this access are located in a remote keytree at the MI-31 Service Building.

- 1 With any access affecting the HEP Program, an access into the MI-30 straight section via MI-30 needs the Run Coordinator's prior approval.
- 2 Once the access is approved, the Ecool Experimenters will call the MCR requesting an access into the MI-30 straight section. The MCR Operators will prepare the Main Injector for the access.
 - * Before preparing the MI for access or allowing keys to be removed from the MI-31 Ecool Keytree, the MCR Operators will need to verify that gates at 305 and 307 are closed. If either gate is opened and MI-31 Ecool keys are pulled, the MI-30 straight section and sector with the gate open will be unsecured.
- 3 To prepare the MI for the MI-30 area special access, the MCR Operators will need to halt the ramp and open the VCBs. This procedure allows an access into the MI-30 straight section without having to switch-off MOS 86, 87 & 89.
- 4 The keys to access the MI-30 straight section are obtained from the MI-31 Service Building keytree, MI-30 Ecool Keytree. To retrieve keys, the Ecool Experimenters will call the MCR; they will open the keytree and sign out keys. The keylogger will maintain a list of people allowed to make an 'MI-30 Special Access' [special training is required]. The Experimenters will need to read and sign the RWP for the MI-30 straight section access at the MI-31 Service Building.
- 5 The access is made from MI-30 Service Building. The Ecool Experimenters will make a normal Controlled Access into the MI-30 straight section.
- 6 When the access is finished, the Ecool Experimenters will call the MCR from MI-31 to return the keys.

Special Notes:

- 1 The MI-30 Ecool keys are **ONLY** to be used in the Special Access mode, they are not to be issued if the MCR MI keys are being used.
- 2 This special access is only into the MI-30 straight section between the gates at 305 and 307 and can be done only under Controlled Access rules. During the MI-30 Special Access the only keys to be signed out are from the MI-31 Service Building.
- 3 If the MI-30 straight section and/or tunnel interlocks are dropped, all people in on access must leave the enclosure and return their keys to the MI-30 Ecool keytree and inform the MCR. The MCR will finish the normal AD/OPS MI LOTO, (switch-off MOS 86, 87 & 89), and resecure the dropped areas.
- 4 If the MI-30 straight section interlocks are dropped at the MI30 Service Building door, only the mini-loop needs to be secured.
- 5 When a MI key is pulled from the MI-30 Ecool Keytree at the MI-31 Service Building, the MI ESS is dropped which in turn closes the MI/Recycler coasting beam valves and terminates the Recycler Stash.
- 6 If the keys from the MI-30 Ecool Keytree are used in a non-special access mode, i.e., KRSS is switched off and MI keys from the MCR are issued, then all accesses between MI2 and MI3E or between MI3E and MI3 must be controlled access or the enclosure interlocks will be dropped.
- 7 In addition, when keys are pulled from the MI-30 Ecool Keytree at the MI31 Service Building, the Interlock lights between MI2 and MI3E and between MI3E and MI3 will start flashing. Note: the MI-30 Ecool keys will not allow a Control Access out of MI3E.